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CONFERENCE VENUE

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India

Call For Papers

SCOPUS INDEXED

International Conference on MATERIALS INNOVATION AND SUSTAINABLE INFRASTRUCTURE

(ICMISI 2024)

02nd – 03rd February 2024



Organized by



Department of Civil Engineering

VISHNU INSTITUTE OF TECHNOLOGY

Bhimavaram, Andhra Pradesh, India

In association with

IE Students chapter & IIC



ABOUT CONFERENCE

Civil Engineering department at Vishnu Institute of Technology-Bhimavaram is organizing International Conference on Materials Innovation and Sustainable Infrastructure (ICMISI 2023) on 2nd & 3rd, February 2024. Sustainable infrastructure is crucial for mitigating environmental challenges, such as climate change, resource depletion, and pollution. The conference explores how materials innovation and emerging technologies can contribute to mitigating these challenges by reducing greenhouse gas emissions, minimizing waste generation, optimizing resource use, and enhancing the resilience of infrastructure. The conference aims to bring academicians, technocrats, engineers, researchers, and students to a common platform to share their experience and research results in the field of materials innovation and sustainable infrastructure. As a result of globalization, there is an opportunity for all-round development by promoting the exchange of knowledge and technological advancements. We hope that our Conference will offer a unique opportunity for interesting and fruitful interactions to all participants, providing them with memorable and pleasant experiences.

ABOUT COLLEGE

Vishnu Institute of Technology was established in 2008 by Vishnu Educational Society (SVES), a leading educational trust to promote quality education, under the aegis of eminent philanthropist Padma Bhushan B.V. Raju (Late). The institute is approved by AICTE and is permanently affiliated to JNTUK, Kakinada. Over a decade, this institute has witnessed significant growth and stands out as one of the best engineering colleges in AP. This institute is accredited by NAAC twice with 'A++' grade (3.51/4) with its validity up to 2024. The institute has attained autonomous status for 10 years from the year 2019. Indian Merchant's Chamber (IMC) recognized the services of VITB with its Ramakrishna Bajaj National Quality award in education sector (2010, 2011, 2017) and Asia Pacific Quality Organization (APQO)-Best in class Award (2012, 2018).

ABOUT DEPARTMENT OF CIVIL ENGINEERING

The department has qualified and trained faculty with deep sense of commitment towards the student. The aim of the department is to Foster intellectual growth of the students. The department is dedicated to providing a dynamic learning environment that emphasizes open-ended design & practical applications, problem solving skills, team work, communication and leadership skills

CALL FOR PAPERS

The conference technical program will consist of plenary addresses, keynote addresses by eminent scientists/academicians and technical paper presentations. Papers are invited from Academicians, Researchers, Engineers, Scientists, Research Scholars and Students as well as Industrial Professionals from all over the globe. The authors are requested to submit full paper as per prescribed format on or before the deadline. The full paper should include cover letter and full details (affiliation, address, telephone, fax, email id and other contact information) of the corresponding author. Full papers submitted by authors will be peer double blind reviewed by the Technical Committee members and based on reviewer's comments/suggestions, then selected for oral presentation during the conference.

PUBLICATION

The selected papers for the conference will be published in **IOP: Journal of Physics: Conference series** indexed in Scopus

Accepted papers will be published in:

IOP Conference Series conferenceseries.iop.org

Journal of Physics: Conference Series

Indexed by:



THOMSON REUTERS



Compendex

THEMES OF THE CONFERENCE

This particular conference mounts up the relevant areas of research in the subjected title and promotes, entertains the reliable sharing of individual and team innovations via <https://www.morressier.com/call-for-abstracts/ICMISI-2024> Welcoming inventions in different areas and certainly not-limited to the following

BLENDED TECHNOLOGIES FOR SUSTAINABLE INFRASTRUCTURE

- Smart cities
- Green building and technology
- Forensic engineering
- Sustainable energy
- Nano-materials and nano-technologies
- Genetic programming for large-scale structures Application of internet of things (IoT)
- Application of artificial intelligence (AI)
- Smart sensing technology in civil engineering

SUSTAINABLE WATER RESOURCE MANAGEMENT

- Water resources planning and management Rainwater harvesting analysis and design Sustainability in water supply
- Geospatial techniques (Remote sensing and GIS) Energy harvesting
- Ground water potential and recharging

SUSTAINABLE STRUCTURAL MANAGEMENT

- Green concrete
- Sustainable materials and construction
- Utilisation of waste in concrete
- Composite and sandwiched structures
- Offshore structures

SUSTAINABLE GEOTECHNICAL ENGINEERING

- Characterization of geomaterials and physical modeling
- Foundations, slope stability and landslides
- Earthquake geotechnical engineering
- Ground improvement
- Geo-environmental engineering
- Offshore geotechnical engineering

SUSTAINABLE CONSTRUCTION MANAGEMENT

- Cost effective construction technologies Innovative construction methods
- Construction planning and control
- Construction safety
- Time and cost optimization in project management
- Risk and safety management
- Sustainable design and construction

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Platinum	Stall + banner + Sponsor details & logo included in conference proceedings + souvenir + 20 min session	25,000/-
Gold	Stall + banner + Sponsor details & logo included in conference proceedings + souvenir + 15 min session	15,000/-
Silver	Stall + banner + Sponsor details & logo included in conference proceedings + souvenir	5,000/-

SUSTAINABLE ENVIRONMENT

- Air quality monitoring and management
- Aerosol and air quality
- Water and waste water treatment
- Solid and hazardous waste management
- CDM, green economy, environmental & health impact
- GHG, low carbon & climate Issues

SUSTAINABLE TRANSPORTATION SYSTEM

- Sustainable pavement
- Recycling and reusing of materials Environmental issues in transportation Traffic safety and security
- Traffic flow theory, operation and facilities Transportation planning
- Intelligent transportation system

MATERIALS INNOVATION AND SUSTAINABLE MANUFACTURING

- Molecular Dynamics and modelling of Materials
- Manufacturing of Polymer, Ceramic Based Materials
- Materials for Green Technology
- Tribology and Surface Engineering
- Ceramic Processing
- Polymer, Ceramic & Metal Matrix Composites
- Mechanical Behaviour of Metals
- Grain Boundary Engineering
- Phase Transformation
- Electron microscopy
- Creep
- Solid-state processing
- Hybrid composites
- Self-healing Composites
- Micro & Nano Composites
- Nano-Mechanics & Nano-Electronics

IMPORTANT DATES

Submission of Abstract	:	28 Dec 2023
Acceptance of Abstract	:	29 Dec 2023
Submission of full length paper	:	30 Dec 2023
Acceptance of full length paper	:	05 Jan 2024
End of registration	:	15 Jan 2024

REGISTRATION DETAILS

Delegate participation, Category	Early bird discounted upto 15 Jan 2024	Till 30 Jan 2024
Academicians	₹ 7600	₹ 8600
R&D /Industry/Corporate Executives	₹ 8000	₹ 9000
Foreign Delegates	\$ 100	\$ 120
Attendee	₹ 2000	₹ 2500

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